

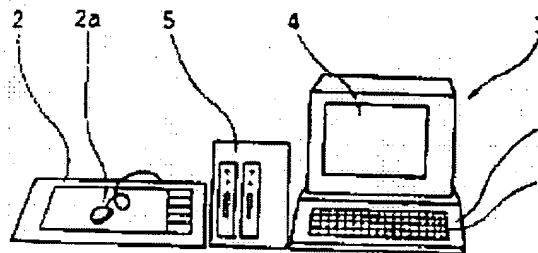
**OFF-LINE TEACHING SYSTEM FOR ROBOT**

**Patent number:** JP62274404  
**Publication date:** 1987-11-28  
**Inventor:** KOJIMA TAKEO; others: 01  
**Applicant:** KOBE STEEL LTD  
**Classification:**  
- **International:** G05B19/403; G05B19/42  
- **European:**  
**Application number:** JP19860120029 19860523  
**Priority number(s):**

**Abstract of JP62274404**

**PURPOSE:** To execute an OFF-line teaching by a sense just like executing an ON-line teaching, by displaying an operation of a robot by an animation on an image output device, and suspending optionally its animation so that a work data can be corrected.

**CONSTITUTION:** A model of a robot is driven so as to obtain a position and an angle of a designated welding torch, and a welding work is simulated by an animation on a CRT display 4. In this process, an operation range of the robot is checked automatically, and in case of exceeding the operation range, which arm of the robot has exceeded the operation range is displayed so that it can be identified. An operator can check an interference of an arm of the robot and a work, and a position and an attitude of the welding torch, etc., by stopping temporarily the animation at an optional time point in the course of the simulation, magnifying a part of a picture, or changing a visual point.



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